

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20060207876").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/17 09:11
S2	2	("20020153130"   "5342496").PN.	US-PGPUB; USPAT	ADJ	ON	2007/10/17 09:56
S3	3	sputter\$4 target same friction stir welding	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:00
S4	154	sputter\$4 target same weld\$4	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:13
S5	41	sputter\$4 target same weld\$4 and friction	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:14
S6	10	sputter\$4 target same weld\$4 and (friction and weld)	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:17
S7	1	sputter\$4 target same weld\$4 and (friction and weld and stir)	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:17
S8	7	sputter\$4 target and (friction and weld and stir)	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:17
S9	4	(sputter\$4 with target) same (butt and (join\$4 or weld\$4))	US-PGPUB; USPAT	ADJ	ON	2007/12/18 13:27
S10	31	(sputter\$4 with target) and (butt same (join\$4 or weld\$4))	US-PGPUB; USPAT	ADJ	ON	2007/12/18 13:29
S11	11369	(metal) and (butt same (join\$4 or weld\$4))	US-PGPUB; USPAT	ADJ	ON	2007/12/18 14:00
S12	2839	(metal with sheet) and (butt same (join\$4 or weld\$4))	US-PGPUB; USPAT	ADJ	ON	2007/12/18 14:00
S13	97	(metal with sheet) and (butt same (join\$4 or weld\$4)) and ((particle or grain) with diameter)	US-PGPUB; USPAT	ADJ	ON	2007/12/18 14:02
S14	1	("20070102822").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/18 15:36
S15	2	("5813592"   "5460317"). PN.	US-PGPUB; USPAT	ADJ	ON	2007/12/18 16:08
S16	179	("3949896"   "4144110"). PN. OR ("5460317"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:10

S17	87	S16 and butt	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:11
S18	1	S16 and butt and sputter \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:12
S19	71	S16 and butt and diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:15
S20	277	(friction with stir with weld\$4) and butt and metal	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:21
S21	1	(friction with stir with weld\$4) and butt and metal and (particle (diameter or radius))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:42
S22	222	(friction with stir with weld\$4) and butt and metal and (diameter or radius)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:42
S23	3	(friction with stir with weld\$4) and butt and metal and (diameter or radius) and sputter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 16:43
S24	14	(friction with stir with weld\$4) and butt and metal and ((particle or grain) same (diameter or radius))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/12/18 17:06
S25	5638	(sputter\$4 with target) and ((particle with diameter) or (grain with size))	US-PGPUB; USPAT	ADJ	ON	2007/12/19 15:17
S26	1069	(sputter\$4 with target) same ((particle with diameter) or (grain with size))	US-PGPUB; USPAT	ADJ	ON	2007/12/19 15:18
S27	894	(sputter\$4 with target) same ((particle with diameter) or (grain size))	US-PGPUB; USPAT	ADJ	ON	2007/12/19 15:18
S28	1	(sputter\$4 with target) same ((particle with diameter) or (grain with size)) and (butt or friction stir welding)	US-PGPUB; USPAT	ADJ	ON	2007/12/19 15:18
S29	76	(sputter\$4 with target) same ((particle with diameter) or (grain with size)) and weld\$4	US-PGPUB; USPAT	ADJ	ON	2007/12/19 15:19

S31	6	"888383".ap.	US-PGPUB; USPAT	ADJ	ON	2007/12/20 09:09
S32	26	("4390954"   "4719645"   "5149933"   "5234150"   "5322463"   "5342496"   "5958157"   "6074512"   "6199259"   "6232774"   "6250933"   "6255727"   "6401542"   "6423575"   "6436802"   "6545247"   "6556606"   "6576863"   "6589408"   "6698907"   "6750947"   "6776879"   "6784563"   "6812471"   "6849139"   "6849821").PN.	US-PGPUB; USPAT	ADJ	ON	2007/12/20 09:10
S33	1	production Ru target sputtering	JPO	ADJ	ON	2007/12/31 11:23
S34	718	204/298.13	US-PGPUB; USPAT	ADJ	ON	2007/12/31 15:38
S35	679	204/298.13 and sputter \$4	US-PGPUB; USPAT	ADJ	ON	2007/12/31 15:39
S36	91	204/298.13 and sputter \$4 and weld\$5	US-PGPUB; USPAT	ADJ	ON	2007/12/31 15:39
S37	15	228/112.1 and sputter\$4 and weld\$5	US-PGPUB; USPAT	ADJ	ON	2007/12/31 15:40
S38	847	228/112.1	US-PGPUB; USPAT	ADJ	ON	2007/12/31 15:41
S39	45	sputter\$4 target same weld\$4 and friction	US-PGPUB; USPAT	ADJ	ON	2008/06/06 10:00
S40	12	sputter\$4 target same weld\$4 and (friction and weld)	US-PGPUB; USPAT	ADJ	ON	2008/06/06 10:00
S41	109	(metal with sheet) and (butt same (join\$4 or weld\$4)) and ((particle or grain) with diameter)	US-PGPUB; USPAT	ADJ	ON	2008/06/06 10:00
S42	183	("3949896"   "4144110"). PN. OR ("5460317"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/06 10:00
S43	71	S42 and butt and diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/06 10:00
S44	91	204/298.13 and sputter \$4 and weld\$5	US-PGPUB; USPAT	ADJ	ON	2008/06/06 10:00
S45	16	228/112.1 and sputter\$4 and weld\$5	US-PGPUB; USPAT	ADJ	ON	2008/06/06 10:00

S46	4	sputtering target same join\$4 same anneal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:21
S47	6	sputtering target same weld\$4 same anneal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:23
S48	6	sputter\$4 target same weld\$4 same anneal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:24
S49	9185	weld\$4 same anneal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:24
S50	4470	weld\$4 with anneal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:24
S51	1871	weld\$4 with anneal\$3 same metal	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:24
S52	623	weld\$4 with anneal\$3 same metal same join\$4	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:24
S54	19	weld\$4 with anneal\$3 same metal same join\$4 same crystal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:25
S55	78	post with weld with annealing	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:53
S56	70	post with weld with annealing and metal	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2008/06/06 15:56

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